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New Divisional Patent Application of
U.S. Patent Application
No. 09/012,679

JC688 U.S.
09/483859
01/17/00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Gautam Bhandari, et al.

Title: "Tantalum Amide Precursors for Deposition of
Tantalum Nitride on a Substrate" #2/aApplication No.: New Divisional of Prior Co-pending U.S. Patent
Application No. 09/012,679 3-22-00

Prior Application Filing Date: January 23, 1998

Prior Application Group Art Unit: 1621 Linda

Prior Application Examiner: N. Gonzalez B

EXPRESS MAIL CERTIFICATE

It hereby is certified by the person identified below that the attached documents are being mailed by such person to the Commissioner of Patents and Trademarks on the date specified, in an envelope addressed to the Commissioner of Patents and Trademarks, Washington, DC 20231, and Express Mailed under the provisions of 37CFR 1.10.

Maggie Chappuis

Name of Person Mailing This Paper

Maggie Chappuis

Signature

January 17, 2000

Date of Mailing

EL418638465US

Express Mail Label Number

**FILING OF NEW DIVISIONAL UNITED STATES PATENT APPLICATION
UNDER 37 CFR § 1.53(b) BASED ON AND CLAIMING PRIORITY OF
U.S. APPLICATION NO. 09/012,679 FILED January 23, 1998**

Assistant Commissioner for Patents
Box: Patent Application
Washington, DC 20231

Sir:

This is a request for filing a Continuation Divisional application under 37 CFR § 1.53(b), of pending prior Application No. 09/012,679, filed on January 23, 1998 entitled "Tantalum Amide Precursors for Deposition of Tantalum Nitride on a Substrate".

1. Enclosed is a copy of the latest inventor-signed prior application, including a copy of the oath or declaration showing the original signature or an indication it was signed. I hereby verify that the papers are a true and exact copy of the latest signed prior application number 09/012,679 filed on January 23, 1998, and further that all statements made herein of my own knowledge are true; and further that these statements were made with the knowledge that willful false statements and the like are made punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code and that such willful statements may jeopardize the validity of the application or any patent issuing therefrom.

The filing fee is calculated below:

CLAIMS AS FILED IN THE APPLICATION, LESS
ANY CLAIMS CANCELED BY AMENDMENT BELOW:

Basic Fee =		\$690 (*\$345)
Total Claims: <u>11</u>	- <u>20</u>	= _____ x \$18 (*\$11) = \$_____
Independent Claims: <u>1</u>	- <u>3</u>	= _____ x \$78 (*\$41) = \$_____
Total Filing Fee:		<u>\$ 690.00</u>
[*Charges for Small Entity]		

2. A statement to establish small entity status under 37 CFR § 1.9 and § 1.27 was filed in prior application number 09/012,679 and such status is still proper and desired (37 CFR § 1.28(a)).
3. The Commissioner is hereby authorized to charge any fees which may be required under 37 CFR § 1.16 and § 1.17, or credit any overpayment, to Deposit Account No. 50-0860.
4. A check in the amount of \$690.00 is enclosed.
5. Cancel in this application original claims 1-4 of the prior application before calculating the filing fee. (At least one independent claim is retained for filing purposes.)
6. The inventor(s) of the invention being claimed in this application is (are):

Gautam Bhandari and Thomas H. Baum



7. This application is being filed by less than all the inventors named in the prior application. In accordance with 37 CFR 1.53(b)(1), the Commissioner is requested to delete the name(s) of the following person or persons who are not inventors of the invention being claimed in this application:

filed on 1/23/98
new P. No. 6,015,917

8. Amend the specification by inserting before the first line the sentence:

"This is a continuation division of U.S. Application No. 09/012,679."

9. New formal drawings are enclosed: (Figures 4, Fig. 1-2, 3A & 3B).

10. Priority of foreign application(s) No. _____ filed on _____ in _____ is claimed under 35 U.S.C. § 119.

The certified copy was filed in prior Application No. _____ on _____.

A certified copy of the above corresponding foreign application is filed herewith.

11. A preliminary amendment is enclosed. Claims added by the Amendment are properly numbered consecutively beginning with the number next following the highest numbered claim in the prior application.

12. The prior application is assigned of record to Advanced Technology Materials, Inc. recorded at Reel 8963, Frame 0032.

13. An Information Disclosure Statement is enclosed.

14. The power of attorney in the prior application is to Steven J. Hultquist, Registration No. 28,021 and Oliver A. Zitzmann, Registration No. 38,691.

a. The power appears in the original papers in the prior application.

b. Since the power does not appear in the original papers, a copy of the power in the prior application is enclosed.

c. Address all future communications to:

Steven J. Hultquist
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FAX: (919) 419-9354



January 17, 2000

Respectfully submitted,



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